

City of Portland, OR—NPDES MS4 Permit # 101314
Response to EPA Section 308 Information Request dated January 23, 2014
Submitted April 30, 2014

11 Outfall 8, 22, 22B, and 53B Monitoring Results

Question 11: Provide an electronic copy (in .xls or .xlsx) of a comprehensive MicroSoft Excel electronic spreadsheet that includes the following information on outfalls 8, 22, 22B, and 53B:

- outfall number and location,
- sampling and inspection dates,
- sampling parameters,
- analytical results for all parameters each time the outfalls were sampled,
- whether or not further investigation was performed on the outfalls if action levels were exceeded,
- the name and/or dedrciption of the identified source of discharge,
- the responsible party,
- and whether or not the responsible party was contacted or enforcement was initiated.

Note: The response to question 12 includes additional information pertaining to outfall basins 8, 22, 22B, and 53B.

Outfall ID	Asset Number	Date	pH	Temperature (°C)	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Chlorine (mg/L)	Ammonia (mg/L)	Potassium (mg/L)	Hardness (mg/L)	Turbidity (FAU)	E. coli (MPN/100 mL)	Semivolatile Organics	Comments	Source of Discharge/ Responsible Party	Actions Taken
8	ABU832	09/02/11	7.4	19.4	350	7.0	0	0.00	4.4		7	24,000				Follow up laboratory sample taken and analyzed for E. coli. Result = 24,000 MPN/100mL
8	ABU832	09/12/11	7.0	21.1	132	5.7	0	3.95	1.4		17	24,000				Follow up laboratory sample taken and analyzed for E. coli. Result = 24,000 MPN/100mL
8	ABU832	07/18/12	7.1	19.3	213	6.5	0	20.00	6.2	52	51	24,000				Follow up laboratory sample taken and analyzed for E. coli. Result = 24,000 MPN/100mL
8	ABU832	07/20/12										24,000		This sample was part of an E. coli investigation including ABU737, ABQ132, ABA819		Follow up laboratory sample taken and analyzed for E. coli. Result = 24,000 MPN/100mL
8	ABU832	08/09/12	7.6	20.9	242	8.5	0	24.00	5.9	31	49	24,000				Follow up laboratory sample taken and analyzed for E. coli. Result = 24,000 MPN/100mL
8	ABU832	09/17/12	8.3	18.7	70	8.6	0	1.77	1.0	14	14	24,000				Follow up laboratory sample taken and analyzed for E. coli. Result = 24,000 MPN/100mL
8	An Outfall 8 basin investigation was conducted from 2/2013 through 4/2013. Two sanitary sewer sources were found. See 12_Basin08_Docs.pdf provided in the response to #12 for more information.														Portland State University cross connection with sanitary sewer & City of Portland leaking combined sewer	7/31/2012 Warning Notice enforcement issued to PSU Facilities & Planning for the cross connection. See response to #12 for further actions.
8	ABU832	07/18/13	6.5	20.2	318	8.5	0.18	0.58	3.1	289	43	86				Follow up laboratory sample taken and analyzed for E. coli. Result = 86 MPN/100mL
8	ABU832															Pipes leading to outfall were cleaned 4/2013
8	ABU832	09/13/13	7.6	18.5	139	8.7	0.13	0.56	6.9	144	46	1,800				Follow up laboratory sample taken and analyzed for E. coli. Result = 1800 MPN/100mL

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																Pipe leading to outfall was cleaned 10/2013
8	ABU832	10/04/13										170		E. coli results shown are a result of follow up sample.		Follow up sample to verify pipe had been cleaned.
8	ABU832	10/11/13	7.4	15.5	288	9.3	0.05	0.50	9.4	46	14	620				Follow up laboratory sample taken and analyzed for E. coli. Result = 620 MPN/100mL
	Sources located in the Outfall 22 basin are under the Oregon DEQ clean up program. See Basin 22 report provided in response to question 12.															
22	AAM079	09/23/11	7.3	17.5	417	8.0	0	0.99	5.0		59	98				Follow up laboratory sample taken and analyzed for E. coli. Result = 98 MPN/100mL
22	AAM079	07/10/12	7.1	15	384	7.9	0	0.88	5.2	189	81					
22	AAM079	07/12/12											Acenaphthene=0.38 ug/L Anthracene=0.13 ug/L Fluoranthene=0.011 ug/L Fluorene=0.90 ug/L Naphthalene=0.13 ug/L Phenanthrene=0.32 ug/L Pyrene=0.028 ug/L All other analytes under EPA 8270 method were found to be non-detect.			
22	AAM079	09/19/12	7.1	17.7	419	7.5	0	1.19	2.6	103	205	10				Follow up laboratory sample taken and analyzed for E. coli. Result = 10 MPN/100mL
22	AAM079	09/27/12	7.6	18.6	433	7.6	0	1.20	6.1	157	48	170		AAM077 field sampled		Follow up laboratory sample taken and analyzed for E. coli. Result = 170 MPN/100mL
22	AAM079	07/19/13	7.1	16	380	7.9	0	0.00	3.6	122	38					
22	AAM079	09/13/13	6.8	18.3	380	7.6	0	1.15	9.7	45	19	ND				Follow up laboratory sample taken and analyzed for E. coli. Result = ND
22	AAM079	10/04/13	6.6	15	224	8.6	0	0.46	4.6	61	32					
	Sources located in the Outfall 22b basin are under the Oregon DEQ Clean Up program. See Basin 22b report provided in response to question 12.															
22B	AAJ638	09/23/11	9.3	18.1	319	4.0	0	2.30	5.8		3	250				Follow up laboratory sample taken and analyzed for E. coli. Result = 250 MPN/100mL
22B	AAJ638	07/10/12	9.1	15.1	441	6.5	0	1.79	7.6	53	2					Follow up laboratory sample taken and analyzed for metals. Results: Cu=ND; Pb=ND; Zn=0.014mg/L
22B	AAJ638	09/28/12	10.1	19	438	6.9	0	2.97	9.4	0	4	150				Follow up laboratory sample taken and analyzed for E. coli and metals. E. coli=150 MPN\100mL; Metals results: Cu=ND; Pb=ND; Zn=0.029mg/L
22B	AAJ638	10/05/12	9.6	13.8	419	6.5	0	1.89	9.6	77	0	10				Follow up laboratory sample taken and analyzed for E. coli and metals. E. coli=10 MPN\100mL; Metals results: Cu=ND; Pb=ND; Zn=0.05 mg/L
22B	AAJ638	07/18/13	9.2	18.2	432	5.4	0	3.21	9.8	332	10	52				Follow up laboratory sample taken and analyzed for E. coli and metals. E. coli=52 MPN\100mL; Metals results: Cu=0.001mg/L; Pb=0.002mg/L; Zn=0.009mg/L; Mo=0.963mg/L
22B	AAJ638	09/13/13	8.1	17.6	354	3.6	0	3.41	8.5	0	12					
22B	AAJ638	10/04/13	6.7	12.2	257	3.9	0	1.46	13.2	0	28					

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53B	AAA038	08/24/11	6.9	20.6	265	7.0	0	0.37	15.9		25	1,200				Follow up laboratory sample taken and analyzed for E. coli. Result = 1,200 MPN/100mL
53B	AAA038	08/09/12	7.0	20.5	311	8.9	0	1.80	6.1	140	79	4,400				Follow up laboratory sample taken and analyzed for E. coli. Result = 4,000 MPN/100mL
53B	AAA038	09/19/12	6.6	15.8	264	5.3	0	3.33	9.0	231	30	24,000				Follow up laboratory sample taken and analyzed for E. coli and metals. E. coli=24,000 MPN\100mL; Metals results: Cu=ND; Pb=ND; Zn=0.115mg/L
53B	AAA038	02/27/13										ND		Follow-up from E. coli hit on 9/19/12		
53B	AAA038	07/19/13	7.7	19.1	307	9.9	0.16	0.21	6.7	166	29	ND			Holes Unlimited discharging concrete cutting water to MS4	7/19/2013 Warning Notice enforcement was issued to Holes Unlimited.
53B	AAA038	09/18/13												Not Enough Flow		
53B	AAA038	10/04/13												Not Enough Flow		